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Notice of Allowability	Application No.	Applicant(s)	
	10/743,277	XIAO ET AL.	
	Examiner	Art Unit	
	Jurie Yun	2882	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to declaration filed 6/7/04.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☒ The drawings filed on 22 December 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☒ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority. It is noted, however, that applicant has not filed a certified copy of the CHINA 02159995.5 application as required by 35 U.S.C. 119(b).

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Matthew J.S. Graham on 4/20/05.

The application has been amended as follows:

In claim 1, line 12, delete "stereograms" and replace with --stereograms--

In claim 1, line 21, delete "various" and replace with --one or more--

In claim 1, line 21, delete "modes" and replace with --methods--

In claim 1, line 28, delete "requirements" and replace with --requirements--

In claim 5, line 1, delete "Th" and replace with --The--

In claim 5, line 5, delete ", etc."

In claim 8, line 2, after "includes" insert --at least one of--

In claim 8, line 3, after "interpolation," insert --and--

In claim 8, line 3, delete ", etc." and replace with --.--

In claim 9, line 2, after "includes" insert --at least one of--

In claim 9, line 2, after "pseudo color," insert --and--

In claim 9, line 3, delete ", etc."

In claim 11, line 7, delete "digital" and "acquisition"

In claim 11, line 25, delete "various" and replace with --one or more--

In claim 11, line 26, delete "mod s" and replace with --methods--

In claim 16, line 5, delete ", etc." and replace with --.--

In claim 17, line 2, delete "calculats" and replace with --calculates--

In claim 19, line 3, after "includes" insert --at least one of--

In claim 19, line 3, after "bilinear interpolation," insert --and--

In claim 19, line 4, delete ", etc." and replace with --.--

In claim 20, line 3, after "includes" insert --at least one of--

In claim 20, line 3, after "pseudo color," insert --and--

In claim 20, line 3, delete ", etc."

In the abstract, line 12, delete "the parallax effect, thereby enabling examiners to implement interactive examination of stereoscopic X-ray images and to understand better the spatial structure of the examined object." and replace with --the parallax effect.--

Allowable Subject Matter

3. Claims 1-21 are allowed.

4. The following is an examiner's statement of reasons for allowance: Prior art fails to disclose a multiple view angle X-ray stereoscopic imaging method comprising the

Art Unit: 2882

steps of employing one or more filtering interpolation methods to implement the interpolation combination calculations for the near ray beams and combining an image pixel corresponding to a sight line, according to the operational performance of computers and the requirement of user for image precision, and achieving calculations for all pixels in stereograms by repeating steps 3-5, as claimed in claim 1. Prior art fails to disclose a multiple view angle X-ray stereoscopic imaging system employing one or more filtering interpolation methods to implement the interpolation combination calculations for the near ray beams and combining an image pixel corresponding to a sight line, according to the operational performance of computers and the requirement of user for image precision, and thereby achieving calculations for all pixels in stereograms, as claimed in claim 11.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Rutt (USPN 4,672,649) discloses three dimensional scanned projection radiography using a high speed computed tomographic scanning system.


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jurie Yun whose telephone number is 571 272-2497.


The examiner can normally be reached on Monday-Friday 8:30-5:00pm.

Art Unit: 2882

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ed Glick can be reached on 571 272-2490. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

 Jurie Yun
April 20, 2005


Craig E. Church
Primary Examiner: